

101 618779

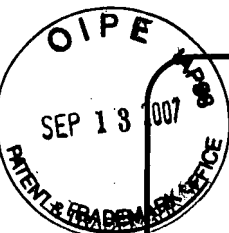
PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

cofe



# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Patent Number	7,264,957
Issued Date	September 4, 2007
First Named Inventor	Paul et al.
Art Unit	1648
Examiner Name	Hill, Myron G.
Attorney Docket Number	704627-5004

## ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Request for Certificate of Correction <input checked="" type="checkbox"/> Certificate of Correction Form PTO/SB/44 (2 copies) <input type="checkbox"/> Amendment / Reply (pgs). <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Formal Drawing(s) ( sheets) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition to Correct Inventorship <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
--	--	--

Certificate

SEP 17 2007  
of Correction

Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Bingham McCutchen LLP		
Signature	<i>Sharon E. Crane</i>		
Printed Name	Sharon E. Crane, Ph.D.		
Date	September 13, 2007	Reg. No.	36,113

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SEP 17 2007



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Paul et al.

Application No.: 10/618,779

Patent No.: 7,264,957

Filed: July 15, 2003

Issued: September 4, 2007

For: Polynucleic Acids Isolated from a Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Proteins Encoded by the Polynucleic Acids, Vaccines Based on the Proteins and/or Polynucleic Acids, A Method of Protecting a Pig from PRRSV and a Method of Detecting a PRRSV

**REQUEST FOR CERTIFICATE OF CORRECTION**

Attn: Certificate of Correction Branch  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

The Patentee respectfully requests the issuance of a Certificate of Correction under 37 CFR § 1.322 or § 1.323 in connection with the above-identified patent. The correction is listed on the attached Form PTO-1050, submitted in duplicate. An explanation follows:

1. On the Title Page, under "Assignees", after "Wyeth" please add -- Holdings Corporation --. This portion of the assignee's name appears to be inadvertently omitted (see Assignment at reel/frame 014065/0251).
2. At Columns 157-158, lines 63-67, please correct Claim 1 as follows to correct the typographical error in the deposit number for ISU-51 to read VR 2428 rather than VR 2429 (see, e.g., Column 18, line 54 for support):

SEP 17 2007

1. A vaccine which protects a pig against a porcine reproductive and respiratory syndrome (PRRS), comprising an effective amount of a biologically-pure virus selected from the group consisting of ISU-51 (VR ~~2429~~ 2428), ISU-55 (VR 2430), ISU-3927 (VR 2431), and ISU-1894 (VR 2475), wherein said virus is attenuated; and a physiologically-acceptable carrier, wherein said virus is prepared by serial passage in a cell line selected from the group consisting of PSP-36, PSP-36-SAH, and MA-104.

3. At Column 159, lines 1-10, please correct Claim 2 as follows to correct the typographical error in the deposit number for ISU-51 to read VR 2428 rather than VR 2429 (see, e.g., Column 18, line 54 for support):

2. A vaccine which protects a pig against a porcine reproductive and respiratory syndrome (PRRS), comprising an effective amount of a biologically-pure virus selected from the group consisting of ISU-51 (VR ~~2429~~ 2428), ISU-55 (VR 2430), ISU-3927 (VR 2431), and ISU-1894 (VR 2475), or a virus exhibiting the identifying characteristics of a virus in said group, wherein said virus is attenuated; and a physiologically-acceptable carrier, wherein said virus is prepared by serial passage in a cell line selected from the group consisting of PSP-36, PSP-36-SAH, and MA-104.

4. At Column 159, lines 11-12 and Column 160, lines 1-8, please correct Claim 3 as


follows to correct the typographical error in the deposit number for ISU-51 to read VR 2428 rather than VR 2429 (see, e.g., Column 18, line 54 for support):

3. A vaccine which protects a pig against a porcine reproductive and respiratory syndrome (PRRS), comprising an inactivated or attenuated virus wherein prior to inactivation or attenuation, said virus is selected from the group consisting of ISU-51 (VR ~~2429~~ 2428), ISU-55 (VR 2430), ISU-3927 (VR 2431), and ISU-1894 (VR 2475), and a physiologically-acceptable carrier, wherein said inactivated or attenuated virus is prepared by serial passage in a cell line selected from the group consisting of PSP-36, PSP-36-SAH, and MA-104.

The Commissioner is hereby authorized to charge any insufficiency, including any fee required for this Request, or credit any overpayment associated with this application to Bingham McCutchen LLP Deposit Account No. 50-4047.

Should any U.S. Patent and Trademark Office personnel feel further communication would facilitate this Request, such personnel is urged to call the undersigned at the telephone number provided below.

Respectfully Submitted,



Sharon E. Crane, Ph.D., Esq.  
Reg. No. 36,113

Dated: September 13, 2007

Bingham McCutchen LLP  
2020 K Street, NW  
Washington, DC 20006  
(202) 373-6000

## UNITED STATES PATENT AND TRADEMARK OFFICE

### CERTIFICATE OF CORRECTION

PATENT NO : 7,264,957

DATED : September 4, 2007

INVENTOR(S) : Prem S. Paul; Xiang-Jin Meng; Patrick Halbur; Igor Morozov; Melissa A. Lum

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:
---

**IN THE TITLE PAGE:**

The Assignees should read:

--Wyeth Holdings Corporation, Madison, NJ (US); Iowa State University Research Foundation, Inc., Ames, IA (US)--

**IN THE CLAIMS**

Columns 157-158, Claim 1 should read:

--A vaccine which protects a pig against a porcine reproductive and respiratory syndrome (PRRS), comprising an effective amount of a biologically-pure virus selected from the group consisting of ISU-51 (VR 2420 2428), ISU-55 (VR 2430), ISU-3927 (VR 2431), and ISU-1894 (VR 2475), wherein said virus is attenuated; and a physiologically-acceptable carrier, wherein said virus is prepared by serial passage in a cell line selected from the group consisting of PSP-36, PSP-36-SAH, and MA-104.--

Column 159, Claim 2 should read:

--A vaccine which protects a pig against a porcine reproductive and respiratory syndrome (PRRS), comprising an effective amount of a biologically-pure virus selected from the group consisting of ISU-51 (VR 2420 2428), ISU-55 (VR 2430), ISU-3927 (VR 2431), and ISU-1894 (VR 2475), or a virus exhibiting the identifying characteristics of a virus in said group, wherein said virus is attenuated; and a physiologically-acceptable carrier, wherein said virus is prepared by serial passage in a cell line selected from the group consisting of PSP-36, PSP-36-SAH, and MA-104.--

Columns 159-160, Claim 3 should read:

--A vaccine which protects a pig against a porcine reproductive and respiratory syndrome (PRRS), comprising an inactivated or attenuated virus wherein prior to inactivation or attenuation, said virus is selected from the group consisting of ISU-51 (VR 2420 2428), ISU-55 (VR 2430), ISU-3927 (VR 2431), and ISU-1894 (VR 2475), and a physiologically-acceptable carrier, wherein said inactivated or attenuated virus is prepared by serial passage in a cell line selected from the group consisting of PSP-36, PSP-36-SAH, and MA-104.--

**MAILING ADDRESS OF SENDER:**

Sharon E. Crane, Esq.  
Bingham McCutchen LLP  
2020 K Street, NW  
Washington, DC 20006-1806

PATENT NO. 7,264,957

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

SEP 17 2007